

Calibration Report: Temperature/Relative Humidity Sensor

Bryan Fabbri
Science Systems and Applications, Inc.
Hampton, Virginia

Summary

Calibration date: 2014 June

Next Calibration date: 2015 June

A certificate of factory calibration and a certificate of conformance of a Rotronic Temperature/Relative Humidity (Temp/RH) Sensor, S/N: 61177611, has been provided. Although there was a nine-month discrepancy between date of calibration and the date we received the sensor, the attached letter details that the calibration is still valid from the "received date".

Manufacturer: Rotronic
Model: Hygroclip-S3
Serial Number: 61177611

The certificate of factory calibration displays how the calibration was performed. This includes corresponding to the test requirements of ISO 9001, with traceability to national standards. The certificate of conformity details that the Temp/RH probe meets the published specifications.

Application: The Rotronic Temp/RH sensor is programmed via a Campbell Scientific data logger and collects raw voltage data. Calibration adjustments (e.g. multipliers and offsets) are applied during processing of raw data.

CERTIFICATE OF FACTORY CALIBRATION

ART NO:	HYGROCLIP
SERIAL NO:	061177 611

ROTRONIC AG certifies that this instrument meets the published specifications. It has been calibrated using standards and instruments as stated below and corresponds to the test requirements of ISO 9001, the reference and service standards are traceable to national standards.

Traceable Standards, SCS certified

Chilled Mirror Hygrometer MBW PM-20277/1

Temperature sensor Pt100 PM-20252/2 / AC bridge ASL PM20258/2

Temperature, Relative Humidity [°C] / [%rh]

Set Point:	23.0°		35.0%	80.0%		
Adjusted:	23.0°		35.0%	80.0%		

Uncertainty of measurement $\pm 1\%rh$, $\pm 0.3^{\circ}C$.

The calibrated values are valid under above mentioned conditions only at the time of measurement and are referenced to the marked reference and working standards.

8303 Bassersdorf, 09.08.13 Inspector: *W. Hübner* Engineer: *A. Se*

Rotronic Instrument Corp certifies that the following product(s) meet their published specifications. Calibrations are carried out using instruments and standards traceable to the National Institute of Standards and Technology (NIST).

Traceable Standards:

Humidity reference: RH Systems / MBW, model number 973, s/n 06-0808

Temperature reference: Hart Thermometer, model number 1529-R, s/n A38490 PRT Model 5614, s/n 640981

By: *Mary Boney* Date: 6/16/2014

Product Name	Serial Number	TAG	Your P.O.	WO Nbr	Processed Date
HYGROCLIP S3 Pbe	61177611	0000000		72804	6/16/2014

Item Total: 1

NOTE:

This document lists only the serialized items included in this shipment
See the packing list for a complete list of shipped items
Please retain this document in your records for warranty purposes



160 E. Main Street, Huntington, NY 11743 • 631-427-3898 • FAX 631-427-3902 • e-mail: michael.foran@rotronic-usa.com

Dear ROTRONIC Customer;

The issue date on the ROTRONIC Certificate of Factory Calibration may differ from the date your equipment was received. Storage conditions at ROTRONIC's facilities are controlled so that calibration of this instrumentation is not affected over time. Hence, the calibration data provided is valid on the date the equipment was received.

If you have any questions regarding the documentation provided please contact me or your ROTRONIC Regional Sales Manager.

Best regards,

Michael R. Foran
Technical Services
Rotronic Instrument Corp.
631-427-3898 ext. 25
michael.foran@rotronic-usa.com
